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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/738,322	12/16/2003	Richard M. Fastow	AMD-H0563	7930
	7590 02/14/2005	EXAMINER		
WAGNER, MURABITO & HAO LLP			WOJCIECHOWICZ, EDWARD JOSEPH	
Third Floor				
Two North M	larket Street	ART UNIT	PAPER NUMBER	
San Jose, CA 95113			2815	

DATE MAILED: 02/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.



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10,738.822					
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR /	***	ATTORNEY DOCKET NO.	
CONTROL NO.		PATENT IN REEXAMINATION			
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				EXAMINER	
			4 77 11117	24252	\neg
	•		ART UNIT	PAPER	
				20050209	

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

Because the reference to Rodgers (4,222,063), cited in the previous Office Action of 11-16-04 was not correctly identified, a corrected PTO-892 is being supplied, along with a complete copy of the previous rejection.

The Shortened Statutory Period for Reply is restarted to expire 3 months from the mailing date of this communication.

Edward Wojciechowicz
Primary Examiner
Art Unit: 2815

	Application No.	Applicant(s)					
	10/738,322	FASTOW ET AL.					
Office Action Summary	Examiner	Art Unit					
	Edward Wojciechowicz	2815					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on	_						
;—	action is non-final.	·					
3) Since this application is in condition for allowan							
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.					
Disposition of Claims							
4) Claim(s) 1-21 is/are pending in the application.							
4a) Of the above claim(s) <u>8-14</u> is/are withdrawn	from consideration.						
5) Claim(s) is/are allowed.	•	•					
6) Claim(s) 1-7 and 15-21 is/are rejected.	,						
7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or	r election requirement	•					
8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
· - · · · · · · · · · · · · · · · · · ·	9)☐ The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) acce							
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a) ☐ All b) ☐ Some * c) ☐ None of:							
1. Certified copies of the priority documents	s have been received.						
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)							
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)							
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	6) Other:	atent Application (PTO-132)					

Election/Restrictions

Claims 8-14 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected method, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on 8-31-04.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-5, 7, 15-19 and 21 are rejected under 35 U.S.C. 102(b) as being anticipated by Rodgers. The claimed invention recites a memory cell where a floating gate is formed in the substrate and a bit line is formed within the substrate in proximity to the floating gate. This structure is shown, for example, in Fig. 2 of Rodgers, where floating gate (40) is formed in the substrate and is in proximity to bit line (28) which is also formed in the substrate. In addition, the bit line of Rodgers is in proximity to two adjacent surfaces of the floating gate (see Fig. 1) and can be considered to also be below the wing portions (42) of the floating gate, as well as along one side.

Rodgers also shows a dielectric layer (46) disposed over the floating gate, and a control gate (26) disposed over the oxide layer. Finally, Rodgers also describes a tunnel oxide layer between the floating gate and the substrate, as described at col. 5, I.40.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 6 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rodgers, and further in view of Saitoh (6,060,739). While Rodgers also uses polysilicon floating gates, and arsenic doping for the n-type bit lines, he does not explicitly mention the use of an oxide-nitride-oxide (ONO) dielectric layer formed on the floating gate. Saitoh is cited to show that it is well known in the art to form such a dielectric layer on a floating gate, as shown by element (18) in Fig. 13 of Saitoh. One would be motivated to use such a dielectric layer in the Rodgers device because these ONO layers are known in the art to be particularly well suited for use in memory devices.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edward Wojciechowicz whose telephone number is 571-272-1739. The examiner can normally be reached on Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on (571) 272-1664. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2815

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Edward Wojciechowicz Primary Examiner Art Unit 2815

EW: ew